



## Staff Engineer Circuit Simulator Frontend - Focus GUI QT C++ (f/m/div)\*

### Job description

We ensure that Infineon's in-house circuit simulator stays a first-class tool – but what is in it for you? First of all: **VERSATILITY** – you will be involved in development, implementation, maintenance & tool support at the same time. Secondly: **IMPACT** – you will be in a position to influence simulation methodology used by Infineon's designers worldwide. And last but not least: **PERSONAL DEVELOPMENT** – through learning from highly skilled colleagues. With this position you will be entering our „technical ladder“: our career path for experts. You will be able to focus deeply on technology – while further pursuing your career. As you continually expand your expert knowledge, puzzle over matters and solve problems, you will position yourself as a thought leader – thus helping our products improve our world a bit more each day.

In your new role you will:

- **Develop GUI** for Infineon's in-house analog circuit simulator
- **Develop and constantly optimize** circuit simulator's Schematic Editor and Waveform Viewer to achieve maximum performance, feature set and maintainability
- **Improve existing frontend software modules** including refactoring and maintenance of existing code
- Support our worldwide **user community**
- Write **technical documentation**
- **Participate in EU-funded projects** that are actively pursuing topics relevant to Infineon-internal simulation communities

### Profile

An Infineon user is your first priority – we want to develop functionalities that help in the daily chip development process. Therefore, it is important to ‘translate’ user requirements into specifications – while having an eye for the details. As we are working in a team, but also in standalone projects, you should bring flexibility in your working style as well as good self-management.

You are best equipped for this task if you have:

- A degree in **Computer Science or Electrical Engineering** or related areas
- Minimum 3-5 years of work experience in **GUI software development or electronic design automation (EDA) area** or a related technical area
- Very good programming skills with focus on **QT and C++/C** in Windows and UNIX environment
- Very good knowledge about **UI development** environments, libraries(e.g., Boost,), build environments (CMake, QMake) and interpreted programming languages (Python, tcl,...)
- Some hands-on experience with **analog circuit design** and **simulation**, ideally also familiarity with other simulators such as LTspice, SIMetrix, PSpice, etc. is a benefit

### At a glance

Location:

Job ID: **351117**

Start date: **Feb 01, 2023**

Entry level: **3-5 years**

Type: **Full time**

Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

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[www.infineon.com/jobs](http://www.infineon.com/jobs)

### Contact

**Alexander Greie**

Team Lead Talent Attraction



- In the best case already previous experience in **fronted development** for a circuit simulator
- Familiarity with **agile software** development techniques
- Fluent **English** skills with **German** seen as a plus

## Why Us

**Part of your life. Part of tomorrow.**

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

The central R&D organization „**Design Enabling and Services**“ (DES) provides the design environment to the different Infineon product development teams. With state-of-the-art design methods, building blocks and a wide range of product development services DES supports Infineon's advanced IC development from early high-level system models to verified products ready for manufacturing.

*\* The term gender in the sense of the General Equal Treatment Act (GETA) or other national legislation refers to the biological assignment to a gender group. At Infineon we are proud to embrace (gender) diversity, including female, male and diverse.*

